



National Research  
Council  
Canada

Conseil National de  
Recherches  
Canada

Institute for Ocean  
Technology

Institut des Technologies  
Océaniques

## Ship-Iceberg Collision Incident Report



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### Vessel Characteristics

|                                    |   |
|------------------------------------|---|
| <b>Name:</b> Grace Darling         | <b>Prime Mover:</b> Sail                  |
| <b>Flag:</b> USA                   | <b>Transmission:</b> Unknown              |
| <b>ASPPR Ice Class:</b> Unknown    | <b>Power (kW):</b>                        |
| <b>Lloyd's Class:</b> Unknown      | <b># Propellers:</b>                      |
| <b>Baltic Class:</b> Unknown       | <b>Prop. Type:</b> Unknown                |
| <b>Vessel Type:</b> Sailing Vessel | <b>Service Speed:</b>                     |
| <b>Owner:</b> Chas. B. Fessenden   | <b>Stern Form:</b>                        |
| <b>Registered Country:</b> USA     | <b>Steel Grade:</b> Unknown               |
| <b>Year of Manufacture:</b> 1854   | <b><u>Miscellaneous Vessel Notes:</u></b> |
| <b>Bow Shape:</b> Unknown          | Clipper ship.<br>1878 lost.               |
| <b>Stem Angle:</b>                 |   |
| <b><u>Dimensions (m):</u></b>      | <b><u>Mass (tonnes):</u></b>              |
| <b>Length:</b> 58.8                | <b>Gross:</b> 1042                        |
| <b>Beam:</b> 11.3                  | <b>Net:</b>                               |
| <b>Depth:</b> 7.2                  | <b>Dead:</b>                              |

### Collision Details

|   |  |
|---|--|
| <b>Date:</b> 30-May-1856  | <b>Air Temperature:</b>  |
| <b>Visibility (nautical miles):</b>   | <b>Water Temperature:</b>  |
| <b>Visibility:</b> Unknown  | <b>Wind Speed:</b>   |
| <b>Visibility - Fog:</b> Unknown  | <b>Wave Height:</b>  |
| <b>Visibility - Snow:</b> Unknown   | <b>Sea State:</b> Unknown  |
| <b>Visibility - Light:</b> Unknown  |  |
| <b>Collision Speed:</b>   |  |
| Kerwin Place<br>P.O. Box 12093<br>St. John's, Newfoundland<br>A1B 3T5<br>Fax:(709) 772-2462 | Place Kerwin<br>C.P. 12093<br>St. John's, Terre-Neuve<br>A1B 3T5<br>Télécopieur:(709) 772-2462 |



## Damage Details

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|                                |  |
|--------------------------------|--|
| <b>Damage Sustained:</b> Yes   | <b>Damage Report No. :</b>               |
| <b>Scenario:</b> Direct Impact | <b>Steel Failure Type:</b> Unknown       |
| <b>Severity:</b> Cracks        | <b>Size - Length (m):</b>                |
| <b>Location:</b> Bow           | <b>Size - Height (m):</b>                |
| <b>Code:</b> Appendage         | <b>Damage Below WL (m):</b>              |
| <b>Length of Downtime:</b>     | <b>Damage Above WL - Height (m):</b>     |
| <b>Cost of Downtime:</b>       | <b>Damage Above WL - Length (m):</b>     |
| <b>Cost to Repair:</b>         |  |
| <b>No. Lives Lost:</b>         |  |
| <b>No. Injuries:</b>           | <b>Cause of Deaths/Injuries:</b> Unknown |
| <b>Cargo Loss:</b> Unknown     |  |
| <b>Pollution:</b> Unknown      | <b>Pollution Potential:</b> Unknown      |

### Cause of Damage:

Hit a berg of enormous size off Cape St. Francis, Newfoundland.

### Damage Description:

Masts, bowsprit, etc, carried away.

## Ice Details

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**Ice Briefing Received:** Unknown

**Iceberg Population:**

**IIP Iceberg Number:**

**Sea Ice Concentration:**

**Position of Nearest Known Iceberg:**

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Iceberg Shape: Unknown

Latitude: 0 ' " N

Iceberg Size: Large

Longitude: 0 ' " W

Length:

Date of Observation:

Width:

Iceberg Tonnage:

## Route Details

---

Geographic Area: Grand Banks

Origin:

Collision Latitude: 47 ° 50 ' " N

Destination:

Collision Longitude: 052 ° 50 ' " W

Distance:

Locale Accuracy: Known

Cargo at Event:

Voyage:

Displacement:

Draft FWD (m):

Captain's Experience: Unknown

Radar Equipped?: Unknown

Radar Details:

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